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LIST OF APPARATUS

Required to Perform the Experiments in High School Physical Science, Part I.

	Probable Cost.
*1 Metric Scale, one foot long, Fig. 5. The ordinary School Rules graduated in inches and centimetres will answer.....	\$0 25
1 Metre Stick	0 50
*2 Rectangular Blocks, Figs. 12 and 13.....	0 10
1 Dissected Litre Block	2 00
*1 Test Tube on Foot, Figs. 21, 25, 59, 88	0 10
*1 Pinch-Cock, Figs. 21, 22, 106	0 15
1 Burette, Mohr's, 50 C. C. graduated in tenth's	2 00
1 Measuring Cylinder, 100 C. C. graduated, Figs. 23, 97, 99	0 80
*3 Beakers, different sizes, Figs. 25, 26, 36, 56, 69, 89, 93, 106, 121, 124, 127, 136.....	0 55
1 Glass Basin, Figs. 26, 31, 55, 57, 68, 76, 90, 124	0 60
1 Fire Syringe, Figs. 27 and 107	2 00
1 Air Pump and Receiver	24 00
1 Elastic Rubber Balloon. A toy balloon answers well.....	0 10
1 Pendulum Bob, Figs. 29 and 66	0 40
1 Track for Balls, Fig. 30	0 75
4 Well turned Metal Balls to use with above	2 00
*1 Tuning Fork, Simple Form, Fig. 31	0 20
1 Radiometer, Fig. 32	3 00
*3 Supports, Figs. 33 and 35. May be made of bent wire inserted into block of wood	0 75
* $\frac{1}{2}$ Doz. Pith Balls, Fig. 33	0 15
*1 Rod of Vulcanite	0 25
*1 Bar Magnet, Fig. 34	0 50
*1 Magnetic Needle on Stand, Fig. 36. Cheap form of compass will answer	0 50
1 Track, Car, Pulley and Scale Pan, Fig. 37. Should be carefully constructed as described in Text Book	8 00
Removable support to be screwed into Laboratory Table. One face of support should be supplied with Scale and Mirror, Figs. 38 and 50	2 50
Steel wire of different sizes for making Elastic Spiral Springs.	0 15
1 Physical Balance, with set of Metric Weights	8 50
*1 Adjustable Spring Balance	0 65
*3 Test Tubes, Figs. 45, 96, 130, 135	0 10
*1 Spirit Lamp or Bunsen Burner	0 50

* These pieces should form part of individual sets for students' use.

		Probable Cost.
*1	Pair Forceps, Fig. 46.....	\$0 20
*1	Mortar and Pestle	0 30
1	Small Vise, Fig. 51	0 40
*1	Set of Heavy Weights, Figs. 37, 38, 48, 50, 52 and 53.....	0 65
*1	Glass Disc with hook at centre, Figs. 55 and 65	0 20
1	Pound Capillary Tubing, assorted sizes	0 50
2	Tubes, Fig. 58.....	Ea. 25. 0 50
1	Tube, Fig. 62 90
*3	Thistle Tubes, Figs. 60, 63, 72, 88, 89, 92, 94, 95	Ea. 15 0 45
1	Transmission of Pressure Apparatus, Fig. 61.....	3 50
*1	Pipette, Figs. 59 and 102.....	0 15
*1	Tall Glass Jar, Fig. 64, 65, 92, 118	0 60
*1	Large Glass Tube with edges ground, Figs. 65, 67 and 127.....	0 85
1	Archimedes Principle, Fig. 69.....	2 00
1	Globe for weighing air, Figs. 70 and 77	2 50
2	Small Bottles. Two four-ounce medicine vials will answer.....	0 10
*2	Small Perforated Rubber Corks, Figs. 73, 85, 86, 87, 112, 125, 127. The corks should fit the bottles above, and the Test Tubes and Florence Flasks used in other experiments	0 15
1	Pair Magdeburg Hemispheres, Fig. 74.....	5 00
1	Guinea and Feather Tube, 76	5 00
1	Barascope, Fig. 77	2 00
*1	Barometer Tube, heavy glass, Figs. 78 and 79	0 50
1	Mariotte's Law Apparatus, with extra Bulb Tube for Charles Law, Figs. 80, 119	8 00
*1	Retort Stand	0 50
*2	Small Florence Flasks, Figs. 85, 86, 87, 112, 125, 127	0 20
*1	Florence Flask with wide mouth, Figs. 92, 118, 122, 123, 124, 130, 137	0 25
*1	Glass Tube with Stop-Cock, Figs. 86 and 87. A piece of rubber tubing with Pinch-Cock will answer	0 85
*1	Hydrometer Jar, Figs. 88, 104, 105	0 45
1	Universal Support, Figs. 89, 92, 93	2 00
2	Rubber Corks, each with two holes, Figs. 92, 112, 118, 122, 123, 130, 137. Should fit Florence Flask with large mouth	0 15
*1	Porous Battery-Sell, small size	0 20
*1	Perforated Rubber Cork to fit Battery-Sell, Fig. 92	0 25
1	Specific Gravity Bottle, Fig. 100 or 101	1 25
*1	Weighted Wooden Prism, 1 Centiometre, Figs. 20 and 103	0 25
1	Hydrometer for light and heavy liquids	0 75
1	Tube for Fig. 106	0 60
4	Bunsen or Grenel Cells, Fig. 108	Ea. \$1.50. 6 00
1	Ball and Ring, Fig. 109	1 25
1	Pyrometer, Fig. 110	3 00
1	Compound Bar, Fig. 111	1 00
1	Chemical Thermometer, graduated in both Centigrade and Fahrenheit Degrees, Figs. 116, 118, 121, 122, 123.....	2 25
1	Differential Thermometer, Figs. 117, 144, 145	2 50
1	Liebig Condenser, Fig. 125	1 00
1	Cryophorous, Fig. 126	1 75
1	Calorimeter, Fig. 129	2 75

	Probable Cost.
1 Ingenhous Apparatus, Fig. 132	\$1 50
1 Apparatus to show convection in Gases, Fig. 139	1 00
1 Glass Candy Jar for Fig. 140	0 60
1 Large Iron Ball, Figs. 141, 145	0 75
1 Leslie Cube, Fig. 144	1 40

SUNDRIES.

Rubber Tubing, heavy	—50
Sheet Rubber	Per sq. foot
Parchment Paper	" sheet 20x30
Wire Gauze	" sq. foot
Insulated Copper Wire	0 10
Glass Tubing, heavy, for cutting and bending into the various forms used in the different pieces of apparatus (½ lb.)	0 30
Sealing Wax	Large stick
Iceland Spar	0 25
Mica	0 65
Sheet Zinc and Sheet Copper	0 10
	0 15

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